

Review 8.1 & 8.2

Name: _____

1. Solve each equation, then verify your answer.

a) $2y + \frac{1}{4} = \frac{1}{2}$

b) $\frac{c}{4} = \frac{-2}{3}$

c) $4x - 7 = 29$

d) $2\frac{3}{4} = 3m + \frac{1}{2}$

e) $2x = \frac{5}{2}$

f) $-4.5x = 1.35$

g) $3.4 + \frac{x}{1.4} = 4.5$

h) $\frac{-5}{15} = \frac{m}{3}$

i) $-9.2 = 0.2x + 2.4$

$$\mathbf{j)} \quad \frac{m}{2.5} + 1.5 = 0.8$$

$$\mathbf{k)} \quad \frac{x}{0.7} = 2.1$$

$$\mathbf{l)} \quad \frac{1}{2}x + \frac{1}{3} = 1\frac{1}{6}$$

$$\mathbf{m)} \quad \frac{n}{-0.6} + 0.23 = 1.93$$

$$\mathbf{n)} \quad \frac{1}{-6} = \frac{m}{12}$$

$$\mathbf{o)} \quad -4x = -4.96$$

$$\mathbf{p)} \quad 3x = \frac{3}{4}$$

$$\mathbf{q)} \quad 4m = -3\frac{1}{3}$$

$$\mathbf{r)} \quad 4c + \frac{2}{3} = \frac{-1}{6}$$

$$\text{Answers: a) } y = \frac{1}{8} \quad \text{b) } c = \frac{-8}{3} \quad \text{c) } x = 9 \quad \text{d) } m = \frac{3}{4} \quad \text{e) } x = \frac{5}{4} \quad \text{f) } x = -0.3 \quad \text{g) } x = 1.54$$

$$\text{h) } m = -1 \quad \text{i) } x = -58 \quad \text{j) } m = -1.75 \quad \text{k) } x = 1.47 \quad \text{l) } x = \frac{5}{3} \quad \text{m) } n = -1.02 \quad \text{n) } m = -2 \quad \text{o) } x = 1.24$$